Rec'd PCT/PTO 22 JUN 2005



INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P03137/S		see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.				
International application No. PCT/NZ03/00141	International filing date (day/month/yed) 4 July 2003	(Earliest) Priority Date (day/month/year) 5 July 2002				
Applicant SYFT TECHNOLOGIES LIM	ITED et al.	•				
This international search report has been preparticle 18. A copy is being transmitted to the This international search report consists of a	International Bureau.	hority and is transmitted to the applicant according to				
	y of each prior art document cited in this	report.				
which it was filed, unless other the international search w	wise indicated under this item.	the basis of the international application in the language in n of the international application furnished to this Authority				
(Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing: contained in the international application in written form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished Certain claims were found unsearchable (See Box I). Unity of invention is lacking (See Box II).						
4. With regard to the title, X	the text is approved as submitted by the the text has been established by this Au					
5. With regard to the abstract, X		e applicant g to Rule 38.2(b), by this Authority as it appears in Box III. from the date of mailing of this international search report,				
6. The figure of the drawings to be pub X	lished with the abstract is Figure No. 1 as suggested by the applicant. because the applicant failed to suggest because this figure better characterizes					



International application No.

		PC1/NZ03/00141
Box III	TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)	
ABSTRAC	Γ	ν
A diment and	provisor of the enticyldent activities of and are accessed to Table	
tetramethylo effected by radical scav product gas method assa radicals or o concentration	enparison of the antioxidant activities of various pure compounds (eg., Trological forman-2-carboxylic acid) or ascorbic acid), extracts and biological fluids means of a standardisable, objective method of determining and measuring enging activities of natural or synthetic substance, including the measurement ethylene, in the reaction headspace using Selective Ion Flow Tube Mass Says ethylene liberated from α -keto- γ -methiolbutyric acid (KMBA) on reactive their reactive oxygen species that can oxidise KMBA to ethylene. From the on of the ethylene, the total antioxidant activity of an added analyte in question	(eg. human plasma) can be the antioxidative and oxidative ent of an indicator reaction pectrometry (SIFT-MS). This on with peroxy radicals, other e production rate and
the oxidativ	e free radicals may be determined.	
*		

Α.	CLASSIFICATION OF SUBJECT MAT	ITER			
Int. Cl. 7: G01N 27/62, 33/00, 31/00, H01J 49/00.					
According to	International Patent Classification (IPC) or	to bot	h nat	tional classification and IPC	
В.	FIELDS SEARCHED				
IPC. Int Cl.	umentation searched (classification system follow G01N 27/62, 33/00, 31/00, H01J 49/0	00			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Derwent (WPAT and JAPIO), Chemical abstracts					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, wh	here a	ppro	priate, of the relevant passages	Relevant to claim No.
Y	Proceedings of the 49 th ASMS Confe Chicago, Illinois, May 27-31, 2001, " SIFT-MS", P. F. Wilson <i>et al.</i> (see entire document)			Mass Spectroscopy and Allied Topics, ne in vivo Measurement of VOCs by	
	Medical & Biological Engineering & Computing (1996), 34, 409-419, "Selected ion flow tube: a technique for quantitative trace gas analysis of air and breath", P. Španěl and D. Smith.				
Υ	(see entire document, in particular pa	ages 4	109-	410 and page 413 column 1))	1-6
Y	Free Radical Biology & Medicine, (1998), 24, (3), 480-493, "A Rapid Gas Chromatographic Assay for Determining Oxyradical Scavenging Capacity of Antioxidants and Biological Fluids", Gary W. Winston et al. (see page 481 column 2, page 482 column 1 to column 2 line 4, page 487 column 2 (Discussion), and page 491 column 2 lines 6-10).			1-6	
X	Further documents are listed in the cont	inuati	on (of Box C See patent family annu	ex
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention					
	"E" earlier application or patent but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone				
claim(public			ent is combined		
"O" docum					
exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed					
Date of the actual completion of the international search Date of mailing of the international search report					
13 October 2003		2 9 OCT 2003	1		
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International application No.

PCT/NZ03/00141

	PC1/N203/00	/141 ·			
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
	Rapid Communications in Mass Spectrometry, (1996), 10, 1183-1198, "The Novel Selected-ion Flow Tube Approach to Trace Gas Analysis of Air and Breath", D. Smith				
Y	and P. Spanel (see entire document, in particular pages 1183-1184, page 1191 column 2 to page 1192 column 1, Figures 9 and 10 and page 1194)	. 1-6			
	Redox Report, (2001), 6 (3), 185-187, "Real time analysis of breath volatiles using SIFT-MS in cigarette smoking", S. T. Senthilmohan et al.	1.6			
Α	(see entire document)	1-6			
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